



**Prehospital Emergency Services
Current Awareness Update
Issue 78, December 2019**

The aim of this Current Awareness Update is to provide a digest of information supporting evidence based practice in prehospital emergency services.

This is an edited version of
the update for SWASFT staff

You will need a **SWASFT Athens account** to access resources
-register [here](#)

Need help accessing resources?

- email library.mailbox@nhs.net
- Visit <http://discoverylibrary.org/swasft>
- ring **01752 439111** (Mon-Fri 0830-1730) – lead library
- Visit your [local NHS library](#)

Prehospital Emergency Services Current Awareness Update – Issue 78, December 2019

With thanks to Matt Holland, LKS ASE Librarian (on behalf of the National Ambulance Research Steering Group).
This Current Awareness Update was commissioned by the National Ambulance Research Steering Group comprising of research leads from ambulance trusts in England, Scotland and Wales and other experts and groups supporting prehospital research. The aim of the group is to support the strategic development of ambulance and prehospital research whether leading, collaborating in or using research.

The research papers have been arranged by the topic headings below:

[Prehospital Practitioners – Professional Development](#)

[Prehospital Research – Methods and Discussion](#)

[Diagnosis & Triage](#)

[Patient Profile](#)

[Helicopter Emergency Medical Services](#)

[On-Scene Interventions](#)

[Airway Management, Resuscitation & CPR](#)

[Further Research Needed](#)

[New Ebooks and Other Resources](#)

Visit <http://discoverylibrary.org/swasft>
to see all the information resources available to you including:

- ebooks
- databases
- journals
- point of care tools
- apps

Innovations in EMS Education. (2019). *Prehospital Emergency Care*, 1–5.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Alexander, A. B., Masters, M. M., & Warren, K. (2019). Caring for Infectious Disease in the Prehospital Setting: A Qualitative Analysis of EMS Providers Experiences and Suggestions for Improvement. *Prehospital Emergency Care*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Cash, R. E., Crowe, R. P., Rivard, M. K., Crowe, E., Knorr, A. C., Panchal, A. R., & Kupas, D. F. (2019). Seat belt use in the ambulance patient compartment by emergency medical services professionals is low regardless of patient presence, seating position, or patient acuity. *Journal of Safety Research*, 71, 173–180.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Chikani, V., Blust, R., Vossbrink, A., Wightman, P., Bissell, S., Graw, J., ... Fisher, B. (2019). Improving the Continuum of Care by Bridging the Gap between Prehospital and Hospital Discharge Data through Stepwise Deterministic Linkage. *Prehospital Emergency Care*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Crilly, J., Johnston, A. N., Wallis, M., O'Dwyer, J., Byrnes, J., Scuffham, P., ... Green, D. (2019). Improving emergency department transfer for patients arriving by ambulance: A retrospective observational study. *Emergency Medicine Australasia*, 1742-6723.13407.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Guy, A., Bryson, A., Wheeler, S., McLean, N., & Kanji, H. D. (2019). A Blended Prehospital Ultrasound Curriculum for Critical Care Paramedics. *Air Medical Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Hooker, R. S. (2020). Paramedics and Physician Assistants in Israel. *Israel Journal of Health Policy Research*, 9(1), 2.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Howard, I., Cameron, P., Castrén, M., Wallis, L., & Lindström, V. (2019). Knowledge, attitude and practices of clinical quality and performance assessment among emergency medical services personnel in South Africa: A mixed methods study. *Emergency Medicine Australasia*, 31(6), 1024–1036.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Joshi, A. U., Randolph, F. T., Chang, A. M., Slovis, B. H., Rising, K. L., Sabonjian, M., ... Hollander, J. E. (2019). Impact of Emergency Department Tele-intake on Left Without Being Seen and Throughput Metrics. *Academic Emergency Medicine*, acem.13890.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Khalsa, S., Barnes, L., Audet, R., Sweeny, M., Leggio, W., Linder, L., ... Cottell, D. (2020). The Impact of Cultural Humility in Prehospital Healthcare Delivery and Education A Position Paper from the National Association of EMS Educators (NAEMSE). *Prehospital Emergency Care*, 1–9.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Leggio, W. J., Miller, M. G., & Panchal, A. R. (2020). Advanced Placement Paramedic Education for Health Care Professionals: A Descriptive Evaluation. *Journal of Emergency Nursing*, 46(1), 44–50.

Click [here](#) to access fulltext (free online as of 21/01/2020)

McDowall, J., & Laher, A. E. (2019). Cross-sectional survey on occupational needle stick injuries amongst prehospital emergency medical service personnel in Johannesburg. *African Journal of Emergency Medicine*.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Menard, K., & Menard, J. (2020). Thinking Outside the Box in Rural Trauma Transport. *Journal of Emergency Nursing*, 46(1), 99–101.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Mould-Millman, N. K., Dixon, J., Lamp, A., De Vries, S., Beaty, B., Finck, L., ... Ginde, A. A. (2019). A single-site pilot implementation of a novel trauma training program for prehospital providers in a resource-limited setting. *Pilot and Feasibility Studies*, 5(1).

Click [here](#) to access fulltext (free online as of 21/01/2020)

Nas, J., Kleinnibbelink, G., Hannink, G., Navarese, E. P., van Royen, N., de Boer, M.-J., ... Brouwer, M. A. (2019). Diagnostic Performance of the Basic and Advanced Life Support Termination of Resuscitation rules: A Systematic Review and Diagnostic Meta-Analysis. *Resuscitation*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nilsson, J., Johansson, S., Nordström, G., & Wilde-Larsson, B. (2019). Development and Validation of the Ambulance Nurse Competence Scale. *Journal of Emergency Nursing*.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Platts-Mills, T. F., Nagurney, J. M., & Melnick, E. R. (2019). Tolerance of Uncertainty and the Practice of Emergency Medicine. *Annals of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Power, B., Bury, G., & Ryan, J. (2019). Stakeholder opinion on the proposal to introduce “treat and referral” into the Irish emergency medical service. *BMC Emergency Medicine*, 19(1).

Click [here](#) to access fulltext (free online as of 21/01/2020)

Rantala, A., Ekwall, A., & Forsberg, A. (2019). Significant others’ perceptions of being taken seriously by the Swedish Ambulance Service when the patient is assessed as nonurgent. *Scandinavian Journal of Caring Sciences*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Reimer, A. P. (2020, January 1). Prehospital and Transport Nursing: The Next 50 Years. *Journal of Emergency Nursing*, Vol. 46, pp. 8–11.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Rhodes, J. N. (2020). Paramedics Australasia International Conference abstracts and poster presentations. *Australasian Journal of Paramedicine*, 16.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Roberts, Z., Collins, J. A., James, D., Bouamra, O., Young, M., Lyttle, M. D., ... Mullen, S. (2019). Epidemiology of adolescent trauma in England: A review of torn data 2008-2017. *Emergency Medicine Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Sangkharat, K., Mahmood, M. A., Thornes, J. E., Fisher, P. A., & Pope, F. D. (2020). Impact of extreme temperatures on ambulance dispatches in London, UK. *Environmental Research*, 182.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Sanko, S., Kashani, S., Ito, T., Guggenheim, A., Fei, S., & Eckstein, M. (2019). Advanced Practice Providers in the Field: Implementation of the Los Angeles Fire Department Advanced Provider Response Unit. *Prehospital Emergency Care*, 1–14.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Sarkisian, L., Mickley, H., Schakow, H., Gerke, O., Jørgensen, G., Larsen, M. L., & Henriksen, F. L. (2020). Global positioning system alerted volunteer first responders arrive before emergency medical services in more than four out of five emergency calls. *Resuscitation*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Scheving, W. L., Ebersole, J. M., Froehler, M., Moore, D., Brown-Espallat, K., Closser, J., ... Ward, M. J. (2019). Implementation of a pilot electronic stroke outcome reporting system for emergency care providers. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Walker, D., Moloney, C., SueSee, B., & Sharples, R. (2019). Contributing factors that influence medication errors in the prehospital paramedic environment: a mixed-method systematic review protocol. *BMJ Open*, 9(12), e034094.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Weinman, S. (2019). Retention of Tourniquet Application Skills Following Participation in a Bleeding Control Course. *Journal of Emergency Nursing*.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Yousefifard, M., Askarian-Amiri, S., Madani Neishaboori, A., Sadeghi, M., Saberian, P., & Baratloo, A. (2019). Pre-hospital pain management; a systematic review of proposed guidelines. *Archives of Academic Emergency Medicine*, 7(1), e55.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Prehospital Research – Methods and Discussion

Boutron, I. (2019). Spin in Scientific Publications: A Frequent Detrimental Research Practice. *Annals of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gottlieb, M., Davenport, D., Schiebout, J., Trevino, R., & Purim-Shem-Tov, Y. (2019). Percentage of Studies Presented at a Conference Prior to Publication in Emergency Medicine Journals. *Academic Emergency Medicine*, acem.13911.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Klim, S., Russell, K., & Kelly, A. (2019). Operational challenges of international research collaborations. *Emergency Medicine Australasia*, 1742-6723.13435.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Rasmussen, T. E., & Brosch, L. R. (2019). Getting Our Money's Worth from Clinical Care Studies of Prehospital Trauma Care. *JAMA Surgery*.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Diagnosis and Triage

Battaloglu, E., Iniguez, M. F., Lecky, F., & Porter, K. (2020). Incidence of combined burns and major trauma in England and Wales. *Trauma*, 22(1), 51–55.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Calvo, R. Y., Sise, C. B., Sise, M. J., & Bansal, V. (2019). Quantifying the burden of pre-existing conditions in older trauma patients: A novel metric based on mortality risk. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Chan, F. Y. Y., Lui, C. T., Tse, C. F., & Poon, K. M. (2020). Decision rule to predict pneumonia in children presented with acute febrile respiratory illness. *The American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Corfield, A. R., Clerihew, L., Stewart, E., Staines, H., Tough, D., & Rooney, K. D. (2019). The discrimination of quick Paediatric Early Warning Scores in the pre-hospital setting.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Eagles, D., Otal, D., Wilding, L., Sinha, S., Thiruganasambandamoorthy, V., Wells, G. A., & Stiell, I. G. (2019). Evaluation of the Ottawa 3DY as a screening tool for cognitive impairment in older emergency department patients. *The American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Hon, S., Gaona, S. D., Faul, M., Holmes, J. F., & Nishijima, D. K. (2019). How Well Do EMS Providers Predict Intracranial Hemorrhage in Head-Injured Older Adults? *Prehospital Emergency Care*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Honore, P. M., David, C., Attou, R., Redant, S., Gallerani, A., & De Bels, D. (2020). Procalcitonin to allow early detection of sepsis and multiple organ failure in severe multiple trauma: beware of some confounders. *Critical Care*, 24(1), 9.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Jouffroy, R., Pierre Tourtier, J., Gueye, P., Bloch-Laine, E., Bounes, V., Debaty, G., ... Vivien, B. (2019). Prehospital shock index to assess 28-day mortality for septic shock. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Lee, C.-C., Huang, S.-S., Yeo, Y. H., Hou, Y.-T., Park, J. Y., Inoue, K., & Hsu, W.-T. (2019). High-sensitivity-cardiac troponin for accelerated diagnosis of acute myocardial infarction: A systematic review and meta-analysis. *The American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Miyamoto, K., Shibata, N., Ogawa, A., Nakashima, T., & Kato, S. (2019). Prehospital quick sequential organ failure assessment score to predict in-hospital mortality among patients with trauma. *American Journal of Emergency Medicine*.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nickerson, J., Taub, E. S., & Shah, K. (2019). A checklist manifesto: Can a checklist of common diagnoses improve accuracy in ECG interpretation? *American Journal of Emergency Medicine*.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ringer, T., Thompson, C., McLeod, S., & Melady, D. (2020). Inter-rater Agreement Between Self-rated and Staff-rated Clinical Frailty Scale Scores in Older Emergency Department Patients: A Prospective Observational Study. *Academic Emergency Medicine*, acem.13907.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Wang, A. Z., Schaffer, J. T., Holt, D. B., Morgan, K. L., & Hunter, B. R. (2019). Troponin Testing and Coronary Syndrome in Geriatric Patients With Nonspecific Complaints: Are We Overtesting? *Academic Emergency Medicine*, acem.13766.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Patient Profile

Birmingham, L. E., Cheruvu, V. K., Frey, J. A., Stiffler, K. A., & VanGeest, J. (2019). Distinct subgroups of emergency department frequent users: A latent class analysis. *American Journal of Emergency Medicine*.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Dayal, P., Horeczko, T., Wraa, C., Karsteadt, L., Chapman, W., Bruhnke, L., ... Marcin, J. (2019). Emergency Medical Services Utilization by Children. *Pediatric Emergency Care*, 35(12), 846–851.
Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Fertel, B. S., Podolsky, S. R., Mark, J., Muir, M. R., Ladd, M. E., & Smalley, C. M. (2019). Impact of an individual plan of care for frequent and high utilizers in a large healthcare system. *American Journal of Emergency Medicine*.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Flanagan, B., Lord, B., Reed, R., & Crimmins, G. (2019). Listening to women's voices: the experience of giving birth with paramedic care in Queensland, Australia. *BMC Pregnancy and Childbirth*, 19(1), 490.
Click [here](#) to access fulltext (free online as of 21/01/2020)

Gutsche, J., Pasternak, R., Campbell, D., Schili, J. L., Boyle, P. J., & Tilney, P. (2019). A 19-Year-Old Man With Vaping-Associated Lung Injury. *Air Medical Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Holper, S., Foster, E., Chen, Z., & Kwan, P. (2019). Emergency presentation of new onset *versus* recurrent undiagnosed seizures: A retrospective review. *Emergency Medicine Australasia*, 1742-6723.13420.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Korczak, V., Shanthosh, J., Jan, S., Dinh, M., & Lung, T. (2019). Costs and effects of interventions targeting frequent presenters to the emergency department: A systematic and narrative review. *BMC Emergency Medicine*, 19(1).

Click [here](#) to access fulltext (free online as of 21/01/2020)

Lam, S. H. F., Nakajima, Y., Castillo, E. M., Brennan, J., & Vilke, G. M. (2019). Willingness to consider alternatives to ambulance use among adult emergency department patients. *The American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Mix, F. M., Myers, L. A., Luke, A., & Sztajnkrzyer, M. D. (2020). A Descriptive Analysis of Pediatric Prehospital Refusal of Medical Assistance Within a Single Service Provider System. *Pediatric Emergency Care*, 36(1), 26–30.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Snooks, H. A., Khanom, A., Cole, R., Edwards, A., Edwards, B. M., Evans, B. A., ... Scott, J. (2019). What are emergency ambulance services doing to meet the needs of people who call frequently? A national survey of current practice in the United Kingdom. *BMC Emergency Medicine*, 19(1).

Click [here](#) to access fulltext (free online as of 21/01/2020)

Helicopter Emergency Medical Services

Edwards, K. H., Franklin, R. C., Aitken, P., Elcock, M., & Edwards, M. T. (2019). A Program Profile of Air Medical Transport in Regional Central Queensland, Australia. *Air Medical Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Grabowski, R. L., McNett, M., Ackerman, M. H., Schubert, C., & Mion, L. C. (2019). Critical Care Helicopter Overtriage: A Failure Mode and Effects Analysis. *Air Medical Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Muramatsu, K. ichi, Omori, K., Kushida, Y., Nagasawa, H., Takeuchi, I., Jitsuiki, K., ... Yanagawa, Y. (2019). Convulsion Treated by a Physician-Staffed Helicopter. *Air Medical Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nolan, B., Tien, H., Sawadsky, B., Haas, B., Saskin, R., Ahghari, M., & Nathens, A. (2019). Risk Factors for Non-optimal Resource Utilization for Emergent Interfacility Transfers by Air Ambulance in Ontario. *Prehospital Emergency Care*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Pollack, M. A., Fenati, G. M., Pennington, T. W., Olvera, D. J., Wolfe, A., Owens, M., & Davis, D. P. (2019). The Use of Ketamine for Air Medical Rapid Sequence Intubation Was Not Associated With a Decrease in Hypotension or Cardiopulmonary Arrest. *Air Medical Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Zia, A., MacDonald, R., Moore, S., Ducharme, J., & Vaillancourt, C. (2019). Assessment of Pain Management During Interfacility Air Medical Transport of Intubated Patients. *Air Medical Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

On-Scene Interventions

Acehan, S., Satar, S., Gulen, M., & Avcı, A. (2020). Evaluation of corrosive poisoning in adult patients. *The American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Blairon, L., Abbasi, M., Beukinga, I., Melot, C., & Libertalis, M. (2019). Improving NSAIDs Prescription in Emergency Services Unit by a Point-of-Care–Based Renal Function Evaluation. *Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Bridwell, R. E., April, M. D., & Long, B. (2019). Do Inhaled Corticosteroids Decrease Hospital Admissions Among Patients With Moderate to Severe Asthma Attacks? *Annals of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Emmerich, B. W., Stilley, J. A. W., Sampson, C. S., Horn, B. G., Pollock, K. E., & Stilley, J. D. (2019). Prehospital amputation: An experimental comparison of techniques. *The American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Evans, B. A., Brown, A., Fegan, G., Ford, S., Guy, K., Jones, J., ... Snooks, H. (2019). Is fascia iliaca compartment block administered by paramedics for suspected hip fracture acceptable to patients? A qualitative study. *BMJ Open*, 9(12).

Click [here](#) to access fulltext (free online as of 21/01/2020)

Forristal, C., Van Aarsen, K., Columbus, M., Wei, J., Vogt, K., & Mal, S. (2019). Predictors of Hypothermia upon Trauma Center Arrival in Severe Trauma Patients Transported to Hospital via EMS. *Prehospital Emergency Care*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Işık, G. Ç., Demirci, O. L., Çorbacioğlu, Ş. K., & Çevik, Y. (2019). Effects of 20-degree spinal immobilization on respiratory functions in otherwise healthy volunteers with android-type obesity. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Jan-Otto, A., Salmir, N., Johan, H., Erik, H., & Christer, A. (2019). The intensity of pain in the prehospital setting is most strongly reflected in the respiratory rate among physiological parameters. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Jones, T. B., Moore, V. L., & Shishido, A. A. (2019). Prehospital Whole Blood in SOF: Current Use and Future Directions. *Journal of Special Operations Medicine : A Peer Reviewed Journal for SOF Medical Professionals*, 19(4), 88–90.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Jouffroy, R., Saade, A., Pegat-Toquet, A., Philippe, P., Carli, P., & Vivien, B. (2019, October 1). Pre-hospital mechanical ventilation in septic shock patients. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Kim, T. H., Song, K. J., Shin, S. Do, Ro, Y. S., Hong, K. J., & Ho Park, J. (2019). Effect of Specialized Critical Care Transport Unit on Short-Term Mortality of Critically Ill Patients Undergoing Interhospital Transport. *Prehospital Emergency Care*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Lee, D. W., Moon, H. J., & Heo, N. H. (2019). Association between ambulance response time and neurologic outcome in patients with cardiac arrest. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Lee, J. H., Jung, J. Y., Lee, H. J., Kim, D. K., Kwak, Y. H., Chang, I., ... Cho, J. H. (2019). Efficacy of low-dose nebulized epinephrine as treatment for croup: A randomized, placebo-controlled, double-blind trial. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Mapp, J. G., Bank, E. A., Osborn, L. A., Stringfellow, M. L., Reininger, D. W., & Winckler, C. J. (2019). Epidemiological and Accounting Analysis of Ground Ambulance Whole Blood Transfusion. *Prehospital and Disaster Medicine*.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Mervau, J., Jason, S., & Jones, J. S. (2020). BET 1: Does inhaled tranexamic acid reduce morbidity in adults with haemoptysis? *Emergency Medicine Journal : EMJ*, 37(1), 45–46.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nambiar, D., Pearce, J. W., Bray, J., Stephenson, M., Nehme, Z., Masters, S., ... Cameron, P. (2019). Variations in the care of agitated patients in Australia and New Zealand ambulance services. *EMA - Emergency Medicine Australasia*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nishijima, D. K., Gaona, S. D., Faul, M., Tancredi, D. J., Waechter, T., Maloney, R., ... Holmes, J. F. (2020). The association of trauma center transport and long-term functional outcomes in head-injured older adults transported by EMS. *Academic Emergency Medicine*, acem.13915.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Patrick, C., Ward, B., Anderson, J., Rogers Keene, K., Adams, E., Cash, R. E., ... Dickson, R. (2020). Feasibility, Effectiveness and Safety of Prehospital Intravenous Bolus Dose Nitroglycerin in Patients with Acute Pulmonary Edema. *Prehospital Emergency Care*, 1–12.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Perkins, G. D., Kenna, C., Ji, C., Deakin, C. D., Nolan, J. P., Quinn, T., ... Lall, R. (2020). The influence of time to adrenaline administration in the Paramedic 2 randomised controlled trial. *Intensive Care Medicine*.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Pusateri, A. E., Moore, E. E., Moore, H. B., Le, T. D., Guyette, F. X., Chapman, M. P., ... Sperry, J. L. (2019). Association of Prehospital Plasma Transfusion with Survival in Trauma Patients with Hemorrhagic Shock When Transport Times Are Longer Than 20 Minutes: A Post Hoc Analysis of the PAMPer and COMBAT Clinical Trials. *JAMA Surgery*, E1–E10.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Rn, A. M. J., & Howard, L. (2020). BET 2: Is keeping the eyes shut while fitting predictive of a psychogenic cause for seizures? *Emergency Medicine Journal : EMJ*, 37(1), 46–47.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ruangsomboon, O., Dorongthom, T., Chakorn, T., Monsomboon, A., Praphruetkit, N., Limsuwat, C., ... Chaisirin, W. (2019). High-Flow Nasal Cannula Versus Conventional Oxygen Therapy in Relieving Dyspnea in Emergency Palliative Patients With Do-Not-Intubate Status: A Randomized Crossover Study. *Annals of Emergency Medicine*.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Stein, A. L., Rössler, J., Braun, J., Sprengel, K., Beeler, P. E., Spahn, D. R., ... Stein, P. (2019). Impact of a goal-directed factor-based coagulation management on thromboembolic events following major trauma. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1).

Click [here](#) to access fulltext (free online as of 21/01/2020)

Tran, T., Lund, S. B., Nichols, M. D., & Kummer, T. (2019). Effect of two tourniquet techniques on peripheral intravenous cannulation success: A randomized controlled trial. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Turenhout, E. C., Bossers, S. M., Loer, S. A., Giannakopoulos, G. F., Schwarte, L. A., & Schober, P. (2020). Prehospital transfusion of red blood cells part 2: A systematic review of treatment effects on outcomes. *Transfusion Medicine*, tme.12659.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Whitworth, K., Johnson, J., Wisniewski, S., & Schrader, M. (2019). Comparative Effectiveness of Topically Administered Tranexamic Acid Versus Topical Oxymetazoline Spray for Achieving Hemostasis in Epistaxis. *Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Yamauchi, S., Tagore, A., Ariyaprakai, N., Geranio, J. V., & Merlin, M. A. (2020). Out-of-Hospital Intubation and Bronchoscopy Using a New Disposable Device: The Initial Case. *Prehospital Emergency Care*, 1–5.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Airway Management, Resuscitation & CPR

Asha, S. E., Doyle, S., Paull, G., & Hsieh, V. (2019). The incidence of airway haemorrhage in manual versus mechanical cardiopulmonary resuscitation. *Emergency Medicine Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Carballo-Fazanes, A., Barcala-Furelos, R., Eiroa-Bermúdez, J., Fernández-Méndez, M., Abelairas-Gómez, C., Martínez-Isasi, S., ... Rodríguez-Núñez, A. (2020). Physiological demands of quality cardiopulmonary resuscitation performed at simulated 3250 meters high. A pilot study. *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Chew, K. S., Ahmad Razali, S., Wong, S. S. L., Azizul, A., Ismail, N. F., Robert, S. J. K. C. A., & Jayaveeran, Y. A. (2019). The influence of past experiences on future willingness to perform bystander cardiopulmonary resuscitation. *International Journal of Emergency Medicine*, 12(1), 40.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Chonde, M., Escajeda, J., Elmer, J., Callaway, C., Guyette, F., Boujoukos, A., ... Kormos, R. L. (2019). Challenges in the development and implementation of a healthcare system based extracorporeal cardiopulmonary resuscitation (ECPR) program for the treatment of out of hospital cardiac arrest. *Resuscitation*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Driver, B. E., Reardon, R. F., & Mosier, J. (2019, October 17). Ketamine as Monotherapy in Difficult Airways Is Not Ready for Prime Time. *The Western Journal of Emergency Medicine*, Vol. 20, pp. 970–971.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Haskins, B., Nehme, Z., Cameron, P., Bernard, S., Parker-Stebbing, L., & Smith, K. (2019). Coles and Woolworths have installed public access defibrillators in all their stores: It is time other Australian businesses followed their lead. *Emergency Medicine Australasia*, 1742-6723.13429.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Holmberg, M. J., Ross, C. E., Yankama, T., Roberts, J. S., & Andersen, L. W. (2020). Epinephrine in Children Receiving Cardiopulmonary Resuscitation for Bradycardia with Poor Perfusion. *Resuscitation*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Hsu Chen, C., Chang, C.-Y., Yang, M.-C., Wu, J.-H., Liao, C.-H., Su, C.-P., ... Lin, Y.-R. (2019). The Impact of Emergency Interventions and Patient Characteristics on the Risk of Heart Failure in Patients with Nontraumatic OHCA. *Emergency Medicine International*, 2019, 1–10.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Javaudin, F., Lascarrou, J.-B., Esquina, H., Baert, V., Hubert, H., & Leclère, B. (2019). Improving identification of pulmonary embolism-related out-of-hospital cardiac arrest to optimize thrombolytic therapy during resuscitation. *Critical Care*, 23(1), 409.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Kim, J. G., Ahn, C., Shin, H., Kim, W., Lim, T. H., Jang, B.-H., ... Na, M. K. (2020). Efficacy of the cooling method for targeted temperature management in post-cardiac arrest patients: a systematic review and meta-analysis. *Resuscitation*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ko, S. Y., Shin, S. Do, Song, K. J., Park, J. H., & Lee, S. C. (2019). Effect of Awareness Time Interval for Out-of-Hospital Cardiac Arrest on Outcomes: A Nationwide Observational Study. *Resuscitation*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Lord, S., Brodell, J., Lenhardt, H., Dailey, M., & Cushman, J. (2019). Implementation of a Prehospital Patella Dislocation Reduction Protocol. *Prehospital Emergency Care*, 1–6.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

MacLaren, G., Masoumi, A., & Brodie, D. (2020). ECPR for out-of-hospital cardiac arrest: more evidence is needed. *Critical Care*, 24(1), 7.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Marcolino, M. S., & Ribeiro, A. L. (2019). Focusing on prehospital care to improve ST elevation myocardial infarction care. *Heart*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Martin, L. K., Lewis, V. J., Clark, D., Murphy, M. C., Edvardsson, D., Stub, D., & Farouque, O. (2019). Frontline barriers to effective paramedic and emergency nursing STEMI management: clinician perspectives. *Australasian Emergency Care*.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Miraglia, D., Miguel, L. A., Alonso, W., & Ayala, J. E. (2019). Double sequential defibrillation for out-of-hospital refractory ventricular fibrillation: A scoping review. *The American Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Miyazaki, K., Hikone, M., Kuwahara, Y., Ishida, T., Sugiyama, K., & Hamabe, Y. (2019). Extracorporeal cardiopulmonary resuscitation for massive pulmonary embolism in a “hybrid emergency room.” *American Journal of Emergency Medicine*.

Click [here](#) to access fulltext (free online as of 21/01/2020)

Muller, A., Dyson, K., Bernard, S., & Smith, K. (2020). Seasonal Variation in Out of Hospital Cardiac Arrest in Victoria 2008 – 2017: Winter Peak. *Prehospital Emergency Care*, 1–13.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nakstad, E. R., Stær-Jensen, H., Wimmer, H., Henriksen, J., Alteheld, L., Reichenbach, A., ... Sunde, K. (2020). Late awakening, prognostic factors and long-term outcome in out-of-hospital cardiac arrest – results of the prospective Norwegian Cardio-respiratory Arrest Study (NORCAST). *Resuscitation*. Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ostermayer, D. G., Camp, E. A., Langabeer, J. R., Brown, C. A., Mondragon, J., Persse, D. E., & Shah, M. I. (2019). Impact of an Extraglottic Device on Pediatric Airway Management in an Urban Prehospital System. *The Western Journal of Emergency Medicine*, 20(6), 962–969. Click [here](#) to access fulltext (free online as of 21/01/2020)

Park, J. H., Song, K. J., Shin, S. Do, Ro, Y. S., & Hong, K. J. (2019). Time from arrest to extracorporeal cardiopulmonary resuscitation and survival after out-of-hospital cardiac arrest. *Emergency Medicine Australasia*, 31(6), 1073–1081. Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Schauer, S. G., Naylor, J. F., Maddry, J. K., Kobylarz, F. C., & April, M. D. (2019). Outcomes of Casualties Without Airway Trauma Undergoing Prehospital Airway Interventions: A Department of Defense Trauma Registry Study. *Military Medicine*. Click [here](#) to access fulltext (free online as of 21/01/2020)

Sondergaard, K. B., Riddersholm, S., Wissenberg, M., Moller Hansen, S., Barcella, C. A., Karlsson, L., ... Kragholm, K. (2019). Out-of-hospital cardiac arrest: 30-day survival and 1-year risk of anoxic brain damage or nursing home admission according to consciousness status at hospital arrival. *Resuscitation*. Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Whitehead, L., Tierney, S., Biggerstaff, D., Perkins, G. D., & Haywood, K. L. (2019). Trapped in a disrupted normality: survivors' and partners' experiences of life after a sudden cardiac arrest. *Resuscitation*. Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Further Research Needed

Snooks, H. A., Khanom, A., Cole, R., Edwards, A., Edwards, B. M., Evans, B. A., ... Scott, J. (2019). **What are emergency ambulance services doing to meet the needs of people who call frequently? A national survey of current practice in the United Kingdom.** *BMC Emergency Medicine*, 19(1). Click [here](#) to access fulltext (free online as of 21/01/2020)

CONCLUSIONS: Ambulance services are under pressure to meet challenging response times for high acuity patients. Tensions are apparent in the provision of care to patients who have complex needs and call frequently. Multi-disciplinary case management approaches may help to provide appropriate care, and reduce demand on emergency services. **However, there is currently inadequate evidence** to inform commissioning, policy or practice development.

Evans, B. A., Brown, A., Fegan, G., Ford, S., Guy, K., Jones, J., ... Snooks, H. (2019). **Is fascia iliaca compartment block administered by paramedics for suspected hip fracture acceptable to patients? A qualitative study.** *BMJ Open*, 9(12).

Click [here](#) to access fulltext (free online as of 21/01/2020)

CONCLUSIONS: This study did not raise any concerns about the acceptability of FICB administered at the scene of injury by paramedics to people with suspected hip fracture. It adds to existing evidence about patient and carer experience of on-scene care for people with suspected hip fracture. **Further research is needed** to assess safety, effectiveness and cost effectiveness of this health technology in a new setting.

Forristal, C., Van Aarsen, K., Columbus, M., Wei, J., Vogt, K., & Mal, S. (2019). **Predictors of Hypothermia upon Trauma Center Arrival in Severe Trauma Patients Transported to Hospital via EMS.** *Prehospital Emergency Care*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

CONCLUSIONS: This retrospective study of hypothermia in major trauma patients found a rate of hypothermia of 5%. Factors associated with higher risk of hypothermia include pre-MTC intubation, high ISS, multiple comorbidities, low SBP, non-penetrating mechanism of injury, and being transferred directly to MTC, and colder outdoor temperature. Avoidance of hypothermia is imperative to the management of major trauma patients. **Prospective studies are required** to determine if prehospital warming in these high-risk patients decreases the rate of hypothermia in major trauma and improves patient outcomes.

New Ebooks and Other Resources

Ebooks

- [Evidence-based practice of critical care](#)
- [Fundamentals of emergency ultrasound](#)
- [The trauma golden hour: a practical guide](#)
- [Qualitative research in health care](#)

SWASFT Athens account required (register [here](#))

Visit <http://discoverylibrary.org/swasft>
to see all the information resources available to you including:

- ebooks
- databases
- journals
- point of care tools
- apps

Feedback to

library.mailbox@nhs.net

Discovery Library, Derriford Hospital, Plymouth- lead library for SWASFT